

10/685041

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Herr, Daniel Joseph Christian

Serial Number: Not Assigned

Filed: Concurrently Herewith

For: SUPERMOLECULAR STRUCTURES
AND DEVICES MADE FROM SAME

Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450

**INFORMATION DISCLOSURE STATEMENT
UNDER 37 C.F.R. § 1.56 AND 37 C.F.R. § 1.97**

It is respectfully requested that the document listed on the attached Form PTO/SB/08A be considered by the Patent and Trademark Office in the above-referenced application and made of record therein. A full text copy of the relevant documents have been previously disclosed in the parent application Ser. No. 09/510,802. This information disclosure statement submitted herewith is being filed within three months of the filing date of the application or date of entry into the national stage of an international application or before the mailing date of a first Office action on the merits, whichever event occurs last.

Respectfully submitted,

By:



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October 13, 2003

Date



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Substitutes for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Complete if Known <i>10 685 041</i>	
		Application Number	09/516,882
		Filing Date	February 23, 2000
		First Named Inventor	Herr
		Group Art Unit	2815
		Examiner Name	J. Jackson, Jr.
Sheet 1 of 1	Attorney Docket Number	361007-0000007	

U.S. PATENT DOCUMENTS						
Examiner Initials ¹	Cite No. ¹	U.S. Patent Documents		Name of Patentee or Applicant of Cited Documents	Date of Publication of Cited Document MM-DD-YYYY	Pages, columns, lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			

FOREIGN PATENT DOCUMENTS								
Examiner Initials ¹	Cite No. ¹	Foreign Patent Documents			Name of Patentee or Applicant of Cited Documents	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T6
		Office ³	Number ⁴	Kind Code ⁵ (if known)				

OTHER PRIOR ART—NON PATENT LITERATURE DOCUMENTS			
Examiner Initials ¹	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T2
	AA	D. M. Eigler et al., "Positioning single atoms with a scanning tunnelling microscope", <i>Nature</i> , Vol. 344 (April 1990) pp 524-526	
	AB	P. Bedrossian et al., "Demonstration of the tunnel-diode effect on an atomic", scale, <i>Nature</i> , Vol. 342 (November 1989) pp 258-260	

Examiner Signature		Date Considered	
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

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Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Complete if Known <i>10 683 041</i>	
				Application Number	00/310,002
				Filing Date	February 23, 2000
				First Named Inventor	Herr, Daniel Joseph Christian
				Group Art Unit	2815
				Examiner Name	Jackson
Sheet	1	of	2	Attorney Docket Number	361007-07

[illegible][illegible]

Examiner Signature		Date Considered	
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Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Complete if Known	
				101685041	
				Application Number	89/510,602
				Filing Date	February 23, 2000
				First Named Inventor	Herr, Daniel Joseph Christian
				Group Art Unit	2815
Examiner Name	Jackson				
Attorney Docket Number	361007-000007				
Sheet	2	of	2		

[illegible]

Examiner Signature		Date Considered	
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INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

(Use several sheets if necessary)

ATTORNEY DOCKET NO.: 361007-7

SERIAL NO.: 09/510,892

IN RE APPLICATION OF: Daniel Herr, et al.

FILING DATE: March 6, 2000

GROUP ART UNIT:

FOR: Supermolecular Structures and Devices Made From Same

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	5 9 8 1 3 1 6	11/06/99	Yamada, et al.	438	128	

FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION
					YES NO

EXAMINER INITIAL	OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)
	Desiraju, G.R. (Ed.), <i>Thoughts on Crystals as Supramolecules</i> , The Crystal as a Supermolecular Entity, John Wiley and Sons Ltd., 1996.
	Feynman, R.P., <i>Infinitesimal Machinery</i> , Journal of MicroMechanical Systems, Vol. 2, No. 1, March 1993, pp. 4-14.
	Feynman, R.P., <i>There's Plenty of Room at the Bottom</i> , Engineering and Science, Vol. 23, 1960, pp. 22-36, Reprinted in Anthony J.G. Hey (Ed.), <i>Feynman and Computation: Exploring the Limits of Computers</i> , Perseus Books, 1999.
	Giro, et al., <i>Single Layer Electroluminescent Devices Based on Molecularly Doped Polymer (MDP) Films</i> , Synthetic Metals, Vol. 84, 1997, pp. 379-80.
	Johnson, et al., <i>Electroluminescence From Single Layer Molecularly Doped Polymer Films</i> , SPIE, Vol. 1910, 1993, pp. 6-14.
	Metzger, R.M., <i>Electrical Rectification by a Molecule: The Advent of Unimolecular Electronic Devices</i> , Accounts of Chemical Research, Vol. 32, No. 11, 1999, pp. 950-7.
	Nikzad, et al., <i>Direct Detection and Imaging of Low-Energy Electrons With Delta-Doped Charge-Coupled Devices</i> , Applied Physics Letters, Vol. 73, No. 23, December 7, 1998, pp. 3417-9.
	Stormer, et al., <i>GaAs Field-Effect Transistor With An Atomically Precise Ultrashort Gate</i> , Appl. Phys. Lett., Vol. 59, No. 9, August 26, 1991, pp. 1111-3.
	Tucker, et al., <i>Prospects for Atomically Ordered Device Structures Based on STM Lithography</i> , Solid-State Electronics, Vol. 42, No. 7-8, 1998, pp. 1061-7.
	Zakoune, et al., <i>High-Power V-Band Ga_{0.31}In_{0.69}P/In_{0.2}Ga_{0.8}As Pseudomorphic HEMT Grown by Gas Source Molecular Beam Epitaxy</i> , IEEE Microwave and Guided Wave Letters, Vol. 9, No. 1, January 1999, pp. 28-30.

EXAMINER

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